Creative Enzymes®

Glycosylated Human Hemoglobin

Cat. No. NATE-1877

Lot. No. (See product label)

Introduction

Description	Glycosylated hemoglobin is the name given to hemoglobin that has been modified by reaction with glucose or similar derivative of this sugar. As blood sugar levels are higher in diabetic patients than in normal individuals, the amount of glycosylated hemoglobin in diabetics can reach four times the value found under normal circumstances and thus the measurement of glycosylated hemoglobin can be used to assess how well the condition is being kept under control. The glycosylated hemoglobin that is found in blood consists of a varity of products, the major one being HbAlc. Studies on this derivative indicate that the sugar may exist as a stable ketimine or as an unstable aldimine, the conversion of one form to the other being achieved by an Amadori rearrangement. In HbAlc the glucose is attached to the N-terminal valine of the beta-chain.
Synonyms	Glycosylated Hemoglobin; Human Hemoglobin; Hemoglobin

Product Information

Source	Human
Form	Freeze-dried powder
Purity	Free of unreacted hemoglobin
Solubility	Distilled water or dilute buffer

Storage and Shipping Information

Storage	Store at -20° C